RONFALIN® ABS 1314 GB 10

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

10% glass bead filled ABS compound

General Information			
Filler / Reinforcement	Glass beads, 10% filler by weight		
Features	Good liquidity		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.12	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	22.0	cm³/10min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	137	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3000	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	48.0	MPa	ISO 527-2/1A/50
Fracture	43.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	3.1	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	15	%	ISO 527-2/1A/50
Flexural Modulus [1]	3600	MPa	ISO 178
Flexural Stress [2] (4.6% strain)	87.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	3.0	kJ/m²	ISO 179/1eA
23°C	7.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	22	kJ/m²	ISO 179/1eU
23°C	27	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	93.0	°C	ISO 75-2/Bf
1.8 MPa, not annealed	80.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	105	°C	ISO 306/A50
--	97.0	°C	ISO 306/B50
Electrical	**Nominal Value**	**Unit**	**Test Method**

Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flammability Classification			IEC 60695-11-10, -20
1.6 mm	HB		IEC 60695-11-10, -20
3.2 mm	HB		IEC 60695-11-10, -20
Glow Wire Ignition Temperature			IEC 60695-2-13
1.5 mm	700	°C	IEC 60695-2-13
3.0 mm	700	°C	IEC 60695-2-13
Additional Information			
1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications			
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Regrind	30	%	
Processing (Melt) Temp	230 - 250	°C	
Mold Temperature	40 - 80	°C	
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

Recommended distributors for this material

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